

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 117448		APPLICATION NO. New U.S. Patent Application	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS Harufumi MUTO et al.			
				FILING DATE December 8, 2003			

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
<i>1/4</i>	1	JP A 2002-180877 w/abstr. + trans.	06/26/2002	Japan		
<i>1/4</i>	2	JP A 2001-41095 w/abstr. + trans.	02/13/2001	Japan		
<i>1/4</i>	3	JP A 2002-147279 w/abstr. + trans.	05/22/2002	Japan		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						

EXAMINER <div style="text-align: center; font-family: cursive;">Hieu T. Vo</div>	DATE CONSIDERED <div style="text-align: center; font-family: cursive;">10/29/04</div>
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Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date: December 8, 2003

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Harufumi MUTO et al.

Application No.: New U.S. Patent Application

Filed: December 8, 2003

Docket No.: 117448

For: INTAKE AIR AMOUNT ESTIMATION APPARATUS AND METHOD FOR
INTERNAL COMBUSTION ENGINE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the non-English language reference 1 is discussed in the present specification.
- ☒ 3. A concise explanation of the relevance of the non-English language references 1-3 appears in the Appendix attached hereto.

- ☒ 4. English-language Abstracts of the non-English language references 1-3 are attached hereto.
- ☒ 5. A computer-generated English translation of the following Japanese Patent Publications have been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and are attached, but have not been reviewed for accuracy. See References 1-3.

Respectfully submitted,



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<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>

Appendix

List of Related Art for IDS

Our Ref. No.

TFN030220-US

Client No.

TSN2003-0393-US-00Z

Japanese Patent Laid- Open Publication	File Date	Publication Date	Comments
JP-A-No. 2002-180877	Sep.21,'01	Jun.26,'02	The background art of the invention is disclosed. This art is mentioned in the present specification.
JP-A-No. 2001-041095	Jul.29,'99	Feb.13,'01	The background art of the invention is disclosed. This art is mentioned in the present specification. A basic concept of a fluid (air) model is explicated.
JP-A-No.2002-147279	Nov.8,'00	May 22,'02	The background art of the invention is disclosed. This art is mentioned in the present specification.